

Amendments to the Claims:

1. (Currently amended) A solid support for performing a plurality of polynucleotide amplification reactions wherein comprising a releasable primer for each amplification reaction, wherein said primer is immobilized on a surface of said solid support, and is adapted to be released before, during or after the amplification reaction.

2. (Currently Amended) A system for amplifying a plurality of target nucleic acids, comprising:

(a) a first solid support wherein

(1) the surface of said first solid support comprises a plurality of derivatized areas;

(2) a releasable primer for each target nucleic acid or a releasable sequence complementary to said primer is immobilized on a derivatized area of the first solid support, wherein said releasable primer or releasable sequence is adapted to be released before, during or after an amplification reaction; and

(b) a second solid support wherein said second solid support comprises a plurality of wells and each well corresponds to a primer for each target nucleic acid.

3. (Currently Amended) A system for amplifying a plurality of target nucleic acids, comprising:

(a) a first solid support wherein

(1) the surface of said first solid support comprises a plurality of derivatized areas;

(2) a forward primer for each target nucleic acid or a sequence complementary to said forward primer is immobilized on a derivatized area of the first solid support

(3) a reverse primer for each region of said target nucleic acid or a sequence complementary to said reverse primer is immobilized on another derivatized area of the first solid support; wherein said primer or releasable sequence is adapted to be released before, during or after an amplification reaction; and

(b) a second solid support wherein said second solid support comprises a plurality of wells and each well corresponds to the forward and reverse primers for each target nucleic acid.

4. (Original) The system according to any one of the claims 2-3, wherein said plurality of target nucleic acids are a plurality of subsequences of a polynucleotide.

5. (Original) The system of any one of claims 2-3, wherein said first or second solid support is glass.

6. (Original) The system according to any one of claims 2-3 wherein said immobilization is covalent.

7. (Original) The system according to any one of claims 2-3 wherein said immobilization is non-covalent.

8. (Previously Presented) The system according to claim 3 wherein said primer is covalently linked to a cleavable moiety.

9. (Original) The system according to claim 8 wherein said cleavable moiety is cleavable by photolysis.

10. (Original) The system according to any one of the claims 2-3 wherein the surface of said first solid support comprises a plurality of hydrophilic areas.

11. (Original) The system according to any one of the claims 2-3 wherein the density of the derivatized areas on said first solid support is between about 10 to 10,000 per cm².

12. (Original) The system according to any one of the claims 2-3 wherein the size of said derivatized area on said first solid support is between about 10⁻³ to 5 mm².

13. (Original) The system according to any one of the claims 2-3 wherein the number of derivatized areas on said first solid support is between about 10 to 500,000.

14. (Cancelled)

15. (Original) The solid support of claim 1 wherein said releasable primer is releasable by photolysis.